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AMENDMENTS TO THE CLAIMS

1. (Original) A method for the forming of components of complex shape

by electrochemical material removal, in which, in the presence of an electrolyte,

a linear oscillation of at least one of an electrode and a component to be

machined is performed relative to the other, a circular oscillation of at least one

of the electrode and the component to be machined is performed relative to the

other, and a linear feed and a circular feed of at least one of the electrode and the

component to be machined relative to the other are performed simultaneously, as

well as simultaneously to at least one of the circular oscillation and the linear

oscillation.

2. (Original) A method in accordance with Claim 1, wherein the linear oscillation

and the linear feed are performed by the electrode and the circular oscillation and

the circular feed are performed by the component to be machined.

3. (Original) A method in accordance with Claim 1, wherein a negative of the

component to be machined is initially made by means of a sample workpiece

serving as an electrode, said negative being used as a working electrode in series

production, with said negative first being machined into the component to be

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machined in synchronous linear and circular oscillation and with at least one side

surface of the component then being further formed by circular oscillation.

4. (Original) A method in accordance with Claim 1, wherein electrochemical

material removal is performed on various portions of the component to be

machined synchronously.

5. (Original) A method in accordance with Claim 1, wherein electrochemical

material removal is preformed on various portions of the component to be

machined separately.

6. (Original) A method in accordance with Claim 1, wherein the linear oscillation

and the linear feed are performed by the component to be machined and the

circular oscillation and the circular feed are performed by the electrode.

7. (Currently Amended) An apparatus for the forming of components of

complex shape, comprising:

a workpiece holder for holding a component to be machined and an

electrode holder for holding an electrode used to machine the component,

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at least one circular drive for driving one of the workpiece holder and the

electrode holder in a circular oscillation and one of the workpiece holder and the

electrode holder in a circular feed, and

a third drive for driving one of the workpiece holder and the electrode

holder in a linear oscillation, and

a fourth drive for driving one of the workpiece holder and the electrode

holder in a linear feed such that at least one of the workpiece holder and the

electrode holder can be moved relative to each other with a simultaneous circular

feed and linear feed,

wherein at least one of the workpiece holder and the electrode holder can

be moved relative to each other with a circular oscillation, and at least one of the

workpiece holder and the electrode holder can be moved relative to each other

with a linear oscillation, and the simultaneous circular feed and linear feed

operate simultaneously with at least one of the circular oscillation and the linear

oscillation.

8. (Original) An apparatus in accordance with Claim 7, wherein the at least one

circular drive is associated with the workpiece holder and the third and the fourth

drive are associated with the electrode holder.

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9. (Original) An apparatus in accordance with Claim 8, wherein the at least one circular drive includes a first drive for providing the circular oscillation and a second drive for providing the circular feed.

10. (Original) An apparatus in accordance with Claim 7, wherein the at least one circular drive is associated with the electrode holder and the third and the fourth drive are associated with the workpiece holder.

11. (Original) An apparatus in accordance with Claim 10, wherein the at least one circular drive includes a first drive for providing the circular oscillation and a second drive for providing the circular feed.

12. (Original) An apparatus in accordance with Claim 7, wherein at least one of the electrode holder and the workpiece holder are transversable in at least one of the X direction and the Y direction.

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13. (Original) An apparatus in accordance with Claim 7, wherein the circular oscillation and the circular feed are performed around an axis that is essentially parallel to a linear oscillation axis.

14. (Original) An apparatus in accordance with Claim 7, wherein the circular oscillation and the circular feed are performed around a linear oscillation axis.

15. (Original) An apparatus in accordance with Claim 7, wherein the at least one circular drive includes a first drive for providing the circular oscillation and a second drive for providing the circular feed.